

2019-2022 Transportation Improvement Program (TIP)

For the Hidalgo County
Metropolitan Planning Organization



**Adopted by Transportation Policy Committee
May 17th, 2018**

Amendment #2 Approved by Transportation Policy Committee, January 17th 2019

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APPENDIX F

Integration of Performance Measures into the Hidalgo County MPO Transportation Improvement Program (TIP)

As part of the Moving Ahead for Progress in the 21st Century (MAP 21) and continued in the Fixing America's Surface Transportation (FAST) Act, State DOT's and Metropolitan Planning Organizations (MPO's) are required to move towards a performance-based planning process with an emphasis on project selection based on specific planning factors. Under Map-21, States are required to set annual safety performance targets. The annual measures States set targets for include:

- **Number of fatalities** (The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year)
- **Rate of fatalities per 100 million vehicle miles traveled (VMT)** (The ratio of total number of fatalities to the number of vehicles miles traveled (VMT expressed in 100 Million VMT) in a calendar year).
- **Number of serious injuries** (The total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year).
- **Rate of serious injuries per 100 million VMT** (The ratio of total number of serious injuries to the number of VMT (VMT expressed in 100 million VMT) in a calendar year)
- **Number of Non-motorized Fatalities and Serious injuries** (The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year).

The Texas Department of Transportation established the statewide targets to support the Strategic Highway Safety Plan (SHSP) and the Highway Safety Improvement Program (HSIP). Once the State of Texas set their safety targets, MPOs within Texas were required to either adopt the Texas targets or set their own that would help achieve the statewide target. On February 15th, 2018, the Hidalgo County MPO's Transportation Policy Committee approved the adoption of the following state's safety performance targets:

Number of Fatalities	3,703.8
Rate of Fatalities per 100million Vehicle Miles Traveled (VMT)	1.432
Number of Serious Injuries	17,565
Rate of Serious Injuries per 100 million VMT	6.740
Number of Non- Motorized Fatalities and Non-Motorized Serious Injuries	2,150

Hidalgo County MPO Transportation Improvement Program Major Safety-impacting projects (PM1)

- **Regional Hike and Bike Trail Project** – Construction of a major trail system that will allow for a safer environment for pedestrian traffic accessing schools, public buildings, parks, and other recreational facilities in the area as well as promote a healthier lifestyle in the area. The trail system will also include pedestrian tunnels crossings at major roadways for safety and reduction of vehicle/pedestrian accidents. The project will also include lighting, signage, and emergency call stations.
- **I-2/I-69C Interchange**- Reconstruction of existing interchange including widening interchange to interstate standards with 4 main lanes and 2-lane continuous frontage roads in each direction as well as improvements to a number of overpasses and on/off ramps as part of the project
- **SH 107**- Reconstruction and widening of the existing SH 107 four-lane divided rural roadway to a six-lane divided rural roadway to allow for additional travel lanes within an existing 152-foot to 176-foot right-of-way (ROW). Median improvements would also allow less conflict points throughout the length of the project.
- **FM 1925** - Improvements include widening to 6-lane with a raised median. Addition of lanes shall reduce the traffic and congestion on this roadway segment in this high-volume roadway. Raised median will allow for a reduction of conflict points throughout the length of the project
- **FM 494** – The purpose of this project is to enhance safety, accommodate a growing population and increasing traffic, and provide a safer route for pedestrians. The proposed project includes four 12-foot travel lanes, one 16-foot continuous left turn lane, and 10-foot wide shoulders as well as drainage improvements.

TAM Performance Measures

As part of the Fast Act, performance measures were incorporated for transit agencies, primarily through the Transit Asset Management (TAM) assessment and planning requirements. The Federal Transit Administration (FTA) recommends Transit Asset Management (TAM) practices to preserve and expand transit investments. Reliable and well-maintained transit infrastructure provides safe, dependable services that are easily accessed. A transit system is in a state of good repair when it possesses and maintains a comprehensive list of its capital assets and rolling stock. Additionally, an asset management plan must be integrated into the management process and practices of the agency. The percentage of an agency's assets should be within their articulated useful life, with remaining assets performing as designed for function.

Performance Targets & Measures for McAllen Metro:

Rolling Stock: **Age** - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)

Target: 0.01

The following project is listed as a Proposed Investment in order to address the exceeded ULB of Rolling Stock:

HCM-026: Bus Procurement - Replacement

Total Cost: \$1,225,533

Performance Targets & Measures for Valley Metro:

Rolling Stock: **Age** - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)

Targets:

Bus: 1%

Cutaway Bus: 14%

Van: 36%

The following projects are listed as a Proposed Investment in order to address the exceeded ULB of Rolling Stock:

HCV-069: Capital Support & Revenue Vehicles

Total Cost: \$625,461

HCV-093: Fleet Capital & Expansion

Total Cost: \$1,159,690

HCV-059: Capitalization of Paratransit Operations

Total Cost: \$298,921

HCV-077: Capitalization of Paratransit Operations

Total Cost: \$298,921

RESOLUTION 2019 - 01

SUBJECT: Approval of FY 2019-2022 Highway Transportation Improvement Program (TIP) – Amendment #2

WHEREAS, the Hidalgo County Metropolitan Planning Organization, is the designated agency for the Transportation Planning in the Transportation Management Area; and

WHEREAS, the MPO is required to have a systematic way to gather citizen input on transportation issues; and


WHEREAS, the MPO is required to have a financially constrained 4 year project listing (TIP) and 25 year long range plan (MTP); and

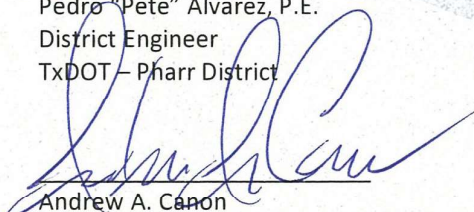
WHEREAS, these procedures have been duly discussed and gone through the required public comment period; and


NOW THEREFORE, BE IT RESOLVED, that the Hidalgo County Metropolitan Planning Organization Transportation Policy Committee agreed by a majority vote to approve the below project listing as the FY 2019-2020 Transportation Improvement Program (TIP), Amendment #2.

	<u>PROJECT</u>	<u>CSJ</u>	<u>LIMITS</u>	<u>YOE</u>	<u>DEVELOPER</u>
FY 2019	ELSA COMMUNITY TRAIL - TAP	0921-02-935	W. HIDALGO ST TO MILE 4 RD	\$1,235,300	ELSA
	RGV B-CYCLE BIKESHARE - TAP	0921-02-936	WITHIN HIDALGO COUNTY	\$544,000	VALLEY METRO
	ACTIVE MOBILITY PLAN -TAP	0921-02-938	WITHIN HIDALGO COUNTY	\$330,000	VALLEY METRO
	PHARR BRIDGE DOCK EXPANSION PHASE I	0921-02-424	@PHARR INT'L BRIDGE	\$6,490,000	PHARR
	PHARR BRIDGE DOCK EXPANSION PHASE II	0921-02-425	@PHARR INT'L BRIDGE	\$13,610,000	PHARR
	PHARR BRIDGE COMMERCIAL STAGING	0921-02-423	@PHARR INT'L BRIDGE	\$8,850,000	PHARR
	FM 1015 – PE	1228-03-041	MILE 12 N TO SH 107	\$1,798,750	HIDALGO COUNTY
FY 2020	JACKSON HIKE BIKE PHASE II -TAP	0921-02-937	BICENTENNIAL H/B & WISCONSIN TO CANTON RD & JACKSON RD	\$2,753,775	MCALLEN/ EDINBURG
	PSJA TRICITY PED IMPROV PHASE II - TAP	0921-02-939	CITY OF PHARR TO CITY OF ALAMO	\$2,196,840	PHARR/SAN JUAN ALAMO

January 17, 2019


Pedro "Pete" Alvarez, P.E.
District Engineer
TxDOT – Pharr District


Andrew A. Canon
Director of Transportation Planning
Hidalgo County MPO


The Honorable Ambrosio Hernandez, Mayor City of Pharr
Chairman of the Hidalgo
County MPO Policy Committee